

What is claimed is:

1. A portable vise and saw combination comprising:
 - (i) a vise including:
 - (a) a base having three sets of engaging surfaces;
 - (b) a plurality of clamps, one clamp positioned over each set of

5 engaging surfaces;

 - (ii) a saw assembly including:
 - (a) a saw; and
 - (b) means for mounting said saw to said base, said means for

10 mounting being attached to said base by one of said clamps and one set of

engaging surfaces.
2. A combination, as claimed in Claim 1, wherein:

said means for mounting includes a mounting member attached to said base, a

base plate connected to said mounting member, an index plate mounted over said base

plate, wherein said index plate is selectively rotatable with respect to said base plate

5 enabling selective positioning of said saw to cut a workpiece mounted to said vise.
3. A portable vise and saw combination comprising:

a vise having a body and a plurality of clamps mounted to said body;

a saw;

a mounting device interconnecting said saw to said vise, said mounting device

5 having a first end attached to said vise, said mounting device further including means for

rotating said saw to selectively position said saw with a workpiece mounted in one of said clamps.

4. A combination, as claimed in Claim 3, wherein:

said means for rotating further includes means for selecting a specific angle at which the workpiece is to be cut.

5. A combination, as claimed in Claim 3, wherein:

said mounting device includes a base plate, and said means for rotating includes an index plate mounted over said base plate and rotatable with respect to said base plate, and said means for rotating further including a positioning handle selectively engageable with said index plate to enable a user to select a specific angle at which the workpiece is to be cut.

6. A portable vise and saw combination comprising:

a vise having a body and a plurality of clamps mounted to said body;

a saw;

a mounting device interconnecting said saw to said vise, said mounting device

5 having a first end attached to said vise, and said mounting device further including means for rotating said saw to selectively position said saw with respect to a workpiece mounted in one of said clamps; and

a measuring device connected to said vise to measure a length of the workpiece, said measuring device including a measuring element extending substantially parallel to

10 said workpiece, and means for selectively adjusting the length of the measuring element to accommodate the length of the pipe to be cut.

7. A combination, as claimed in Claim 6, wherein:

said measuring device further includes a measuring stop positioned at a distal end of said measuring element and engageable with an end of the workpiece to be cut.

8. A combination, as claimed in Claim 6, wherein:

said mounting device includes a base plate, and said means for rotating includes an index plate mounted over said base plate and rotatable with respect to said base plate, and wherein said means for rotating further including a positioning handle selectively
5 engageable with said index plate to hold said saw in a desired position to thereby achieve a cut of a desired angle on the workpiece.

9. A method of preparing a workpiece for installation in a system, said method comprising the steps of:

providing a vise;

attaching the vise to an existing support by a clamp that engages the vise;

5 securing the workpiece to the vise by another clamp that engages the vise;

securing a saw to the vise by yet another clamp that engages the vise;

confirming the position of the saw with respect to the workpiece to achieve a desired orientation between the saw and workpiece;

cutting the workpiece while the saw remains attached to the vise and the

- 10 workpiece remains attached to the vise;
- releasing the workpiece from the vise and repositioning the workpiece for
installation in the system; and
- resecuring the workpiece to the vise.
10. A method, as claimed in Claim 9, further including the steps of:
- providing a measuring element;
- measuring the workpiece to a desired length;
- shifting the measuring element to be coextensive with the workpiece secured to
- 5 the vise, and securing the measuring element to the vise;
- cutting the workpiece with the saw;
- removing the workpiece from the vise;
- providing a second workpiece;
- positioning the second workpiece to be coextensive with the measuring element
- 10 thereby providing a measurement for the second workpiece to be cut at the same length
as the first workpiece;
- securing the second workpiece to the vise; and
- cutting the second workpiece.